

AMENDMENTS TO THE CLAIMS:

Please amend claims 1-9, 12-16, 18 and 20, cancel claims 17 and 19 without prejudice or disclaimer and add claims 21 and 22 as follows. This listing of claims replaces all prior versions and listings of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A method, comprising:
administering to a subject for whom the presence or absence of a wound, wounded tissue or inflamed tissue or a disease associated therewith is to be detected, a microorganism or cell, wherein the microorganism or cell is detectable in the subject; and
monitoring the subject ~~for detection of the microorganism or cell~~ to detect the accumulation of the microorganism or cell at a wound, wounded tissue or inflamed tissue in the subject, whereby, detection of the accumulation indicates the location of the wound, wounded tissue or inflamed tissue.
2. (Currently Amended) ~~A~~ The method of claim 1, wherein the ~~comprising:~~
~~administering to a subject having a wound, wounded tissue, inflamed tissue or a disease associated therewith a microorganism or cell detectable in a subject, wherein said microorganism or cell contains one or more nucleic acid sequences encoding~~ microorganism or cell encodes a protein(s) ~~suitable~~ that for the therapy of a ~~wound, wounded tissue, or~~ inflamed tissue or a disease associated therewith.
3. (Currently Amended) The method of claim 1, wherein the microorganism or cell encodes ~~contains a nucleic acid encoding~~ a luminescent or fluorescent protein.
4. (Currently Amended) The method of claim 3, wherein ~~said the microorganism or cell~~ encodes a luminescent or fluorescent protein that is a luciferase, RFP or GFP red fluorescent protein or green fluorescent protein.
5. (Currently Amended) The method of claim 4, wherein the microorganism or cell encodes a protein(s) for the production of ~~said microorganism or cell additionally contains a nucleic acid encoding~~ a substrate for a luciferase.
6. (Currently Amended) The method of claim 1, wherein the microorganism or cell ~~contains a nucleic acid encoding~~ encodes a protein ~~capable of inducing a~~ that induces a signal detectable by magnetic resonance imaging (MRI) or ~~capable of binding a~~ that binds to contrasting agent, chromophore or a ligand.

7. (Currently Amended) The method of claim 1, wherein ~~said~~ the microorganism is a bacterium or a virus.

8. (Currently Amended, Withdrawn) The method of claim 7, wherein ~~said~~ the virus is Vaccinia virus.

9. (Currently Amended) The method of claim 7, wherein ~~said~~ the bacterium is selected ~~from the group consisting of~~ among an attenuated *Salmonella thyphimurium*, an attenuated *Vibrio cholerae*, an attenuated *Listeria monocytogenes* and *E. coli*.

10. (Previously presented) The method of claim 1, wherein the cell is a mammalian cell.

11. (Previously presented, Withdrawn) The method of claim 10, wherein the mammalian cell is an autologous or heterologous stem cell.

12. (Currently Amended) The method of claim 2, wherein ~~said~~ the protein ~~suitable~~ for the therapy of a wound, wounded tissue, inflamed tissue or a disease associated therewith is an enzyme ~~causing~~ that causes cell death or an enzyme ~~causing~~ that causes the digestion of debris.

13. (Currently Amended, Withdrawn) The method of claim 2, wherein ~~said~~ the disease is selected ~~the group consisting of~~ among endocarditis, pericarditis, inflammatory bowel disease, low back pain (herniated nucleus pulposis), temporal arteritis, polyarteritis nodosa and an arthritic disease.

14. (Currently Amended) The method of claim 2, wherein ~~said~~ the disease is an atherosclerotic disease.

15. (Currently Amended, Withdrawn) The method of claim 2, wherein ~~said~~ the disease is selected ~~the group consisting of~~ among coronary artery disease, peripheral vascular disease and cerebral artery disease.

16. (Currently Amended) The method of claim 1, wherein ~~said~~ the monitoring is performed ~~carried out by MRI~~ by magnetic resonance imaging (MRI).

17. (Cancelled).

18. (Currently Amended) The method of claim 2, wherein ~~said nucleic acid sequence is under the control of~~ the microorganism or cell contains an inducible promoter that regulates the expression of the therapeutic protein ~~for the therapy~~.

19. (Cancelled).

20. (Currently Amended) The method of claim ~~[[2]]~~ 1, wherein the microorganism or cell replicates in the subject, is not pathogenic to the subject and is recognized by the immune system of the subject.

21. (New) The method of claim 2, wherein:
the disease is an atherosclerotic disease; and
the therapeutic protein is selected from among a lipase, protease, lysozyme, proapoptotic factor and PPAR-agonist.

22. (New) The method of claim 1, further comprising:
administering a therapeutic agent for the therapy of a wound, wounded tissue, inflamed tissue or a disease associated therewith.